

ABSTRACT

~~The present invention provide a method of forming a protection film of a safety valve element for battery which prevents from corroding a metal portion by covering protection film on the safety valve element for battery, a closing plate for a battery using same and a closed battery using same.~~

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A safety valve element of the present invention is composed of a safety valve element 10 comprising a metal substrate 1 having a perforated pore 4 and a metal foil 2 laminated on a metal substrate 1 so as to cover perforated pore 4 and a protection film 3 which is formed by coating an organic coating at least on one side of a safety valve element 10. Further, a closing plate puts a safety valve element 10 to provide a protection film 3 which is coated with organic film on a closing plate 6 of battery container to provide perforation 4 which is an opening of a safety valve so as to face perforations of a metal substrate 4 and perforation of a closing plate 7 and then to glue around perforation of a closing plate 7, and a closing plate of a battery is made. Furthermore, there is closed an opening of a battery container that fixes electrode which consist of positive electrode, negative electrode and separator, and a closed battery is made.

Elected drawing: Fig. 1

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